

# FACILITIES STANDARDIZATION PROGRAM



US Army Corps  
of Engineers  
Omaha District

## ARMY CHAPEL

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### INTRODUCTION

THIS ARMY CHAPEL STANDARD DEFINITIVE DESIGN CAN BE USED AS A TROOP CHAPEL (FOR A TRAINING CENTER OR T.O.E. UNIT), POST CHAPEL OR FAMILY CHAPEL. EXPANDED RELIGIOUS EDUCATION SPACES AND MULTI-USE ACTIVITY SPACES MAY ALSO BE INCLUDED IN THIS DESIGN TO PROVIDE A FACILITY WHICH SERVES AN EVEN GREATER MULTITUDE OF RELIGIOUS COMMUNITY AND FAMILY ACTIVITIES.

THE FACILITY WILL SERVE ALL FAITHS WITHOUT FAVORING ANY ONE DISTINCTIVE GROUP, EITHER IN ORIENTATION OR IN DESIGN. BY VIRTUE OF ITS SIMPLE GEOMETRIC LINES AND THE ABILITY TO VARY CONSTRUCTION MATERIALS AND MECHANICAL SYSTEMS, THE FACILITY WILL READILY ADAPT TO A LOCATION ANYWHERE IN THE CONTINENTAL UNITED STATES (CONUS) OR OVERSEAS (OCONUS).

THE FUNDAMENTAL DESIGN CONCEPT PROVIDES WORSHIP SEATING CAPACITIES FOR TWO HUNDRED TO FOUR HUNDRED PERSONS WITH SCHEME A, AND UP TO SIX HUNDRED PERSONS WITH SCHEME B, BY USING FLEXIBLE SEATING AND VARIOUS ROOM CONFIGURATIONS. CHAPLAINS AND THEIR ASSISTANTS, CLASSES, MEDITATION ACTIVITIES, GATHERING ACTIVITIES AND SERVICE NEEDS ARE ALSO ACCOMMODATED.

THESE STANDARD DEFINITIVE DESIGNS HAVE BEEN PREPARED TO MEET CRITERIA ESTABLISHED BY THE OFFICE, CHIEF OF CHAPLAINS, AND THE SPECIFIC PACKAGE OF ARCHITECTURAL AND ENGINEERING DESIGN CRITERIA PREPARED BY THE HEADQUARTERS U.S. ARMY CORPS OF ENGINEERS FOR EACH PROJECT. THE SIZE AND ARRANGEMENT OF SPACES, THEIR RELATIONSHIP TO ONE ANOTHER, AND THE FORMS OF THE BUILDINGS ARE TO REMAIN CONSTANT DURING FURTHER DEVELOPMENT OF THIS DEFINITIVE.

COPIES OF DRAWING PACKAGES AND BROCHURES ARE AVAILABLE FROM THE U.S. ARMY ENGINEERING AND SUPPORT CENTER, ATTN: CEHND-ED-ES-1, P.O. BOX 1600, HUNTSVILLE, AL 35807-4301 (TELEPHONE: COMMERCIAL (205) 895-1402 OR AUTOVON / DSN 645-5560). THIS DRAWING PACKAGE SUPERSEDES THE COLOR BROCHURE VERSION OF THIS FACILITY TYPE IN THE EVENT OF DISCREPANCIES.

MANDATORY ITEMS TO BE INCLUDED IN THE FACILITY ARE AS FOLLOWS:  
A. COMPLETE FACILITY INCLUDING ALL CONFIGURATIONS AS SHOWN IN THIS DEFINITIVE.  
B. MOVABLE WALLS AND FOLDING PARTITIONS.  
C. COVERED DROP-OFF WITH SKYLIGHT.

- D. PYRAMID ROOF FORM, SKYLIGHTS WITH SHADING DEVICES, CLERESTORIES AND BUILDING FORM AS DEPICTED IN THIS DEFINITIVE.
- E. A FREE-STANDING BELL TOWER / CAMPANILE MUST BE INCLUDED TO CONNOTE A RELIGIOUS FACILITY. SITING OF THE BELL TOWER MAY VARY DEPENDING ON VARIOUS SITE CONSIDERATIONS, PARKING LOT ARRANGEMENTS OR PEDESTRIAN ACCESS.
- F. PARKING AREA, DRIVES, SIDEWALKS, LANDSCAPE AND BIKE PARKING FOR THE FACILITY DESIGNED TO ACCOMMODATE THE SPECIFIC SITE AND USER GROUP.
- G. FOLLOWING THE "PACKAGE" OF GOVERNMENTAL AND INDUSTRY CRITERIA IN EFFECT AT THE TIME OF THE DESIGN PROCESS FOR THE SPECIFIC PROJECT. SINCE ALL FORMS OF CRITERIA CHANGE REGULARLY, EACH SPECIFIC PROJECT WILL BE PROVIDED WITH GUIDANCE REGARDING CRITERIA THAT IS MANDATORY TO COMPLY WITH. THIS CRITERIA MAY CONSIST OF INSTRUCTIONS, CODES, MANUALS, REGULATIONS, OR OTHER FORMS OF DESIGN GUIDANCE.

OPTIONAL ITEMS WHICH MAY BE INCLUDED ARE AS FOLLOWS:

- A. EXPANDED RELIGIOUS EDUCATION AND ACTIVITY SPACES AS SHOWN IN SCHEME B.
- B. ADDITIONAL PARKING LOT REQUIREMENTS DEPENDING ON EACH INSTALLATION. ARRANGEMENT OF PARKING, DROP-OFFS AND OTHER SITE AMENITIES SHOULD BE MODIFIED IN RESPONSE TO ACTUAL SITE CONDITIONS.
- C. MECHANICAL ROOM AND MECHANICAL YARDS MAY BE ENLARGED TO ACCOMMODATE EQUIPMENT NECESSARY FOR VARIOUS CLIMATIC REQUIREMENTS.
- D. FOLDING PARTITIONS MAY BE SUBSTITUTED FOR SOLID WALLS BETWEEN SOME OF THE CLASSROOMS TO PROVIDE MORE FLEXIBILITY BETWEEN EACH SPACE.
- E. SINKS IN CLASSROOMS.

### FUNCTIONAL / OPERATIONAL REQUIREMENTS

THE WORSHIP CENTER, ACTIVITY CENTER AND SOME CLASSROOMS HAVE BEEN DESIGNED TO OPEN INTO ONE ANOTHER, ALLOWING FOR FLEXIBILITY IN SEATING CAPACITY AND ARRANGEMENT. THE WALLS BETWEEN THE WORSHIP CENTER, ACTIVITY CENTER AND SOME CORRIDORS ARE MOVABLE. HOWEVER, IN ORDER TO MAINTAIN A HIGH

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SOUND TRANSMISSION CLASS (STC) RATING, CAREFUL CONSIDERATION MUST BE GIVEN TO THE DESIGN AND FABRICATION OF THESE MOVABLE UNITS. EVERY EFFORT MUST BE MADE TO ASSURE A HIGH QUALITY LEVEL IN SELECTING AND DESIGNING THESE UNITS. THE DESIGNER MUST ALSO PAY SPECIAL ATTENTION TO THE AREAS SURROUNDING THESE PARTITIONS. AS SHOWN IN THE DETAILS, THE CORE OF A MANUFACTURED MOVABLE WALL SYSTEM IS USED IN THIS APPLICATION. THE FABRIC COVERED PANELS ARE TO BE CUSTOMIZED BY APPLYING WOOD TRIM AND PANELING IN A DESIGN CONSISTENT WITH THE TWO FIXED WALLS OF THE WORSHIP CENTER. AN STC RATING OF 52 IS TO BE ACHIEVED. ADDITIONAL INFORMATION IS PROVIDED UNDER "INTERIOR DESIGN" BELOW. FOLDING PARTITIONS AS INDICATED BETWEEN CLASSROOMS ARE ANTICIPATED TO BE STANDARD PRE-MANUFACTURED FABRIC COVERED SYSTEMS. THESE SHALL HAVE AN STC RATING OF NOT LESS THAN 45.

THIS ARRANGEMENT OF MULTIPLE-SIZED SPACES HAS THE ADVANTAGE OF BEING ABLE TO SERVE A DIVERSE RELIGIOUS COMMUNITY. SCHEME A ACCOMMODATES APPROXIMATELY TWO HUNDRED PERSONS IN THE PRIMARY WORSHIP CENTER WITH ALL MOVABLE PARTITIONS IN THE CLOSED POSITION. THIS CONFIGURATION PROVIDES NUMEROUS SMALLER ROOMS FOR CLASSES OR OTHER ACTIVITIES IN THE ADJACENT SPACES, AND THE INTERVENING CORRIDOR PROVIDES EXTRA ACOUSTIC PROTECTION AND EASY ACCESS TO ALL PARTS OF THE BUILDING. BY OPENING UP SETS OF THE MOVABLE PARTITIONS AND INCLUDING SOME OF THIS ADJACENT SPACE, AS MANY AS FOUR HUNDRED PERSONS CAN BE ACCOMMODATED IN THE WORSHIP CENTER. SCHEME B PROVIDES THE SAME FLEXIBILITY AND CAN BE CONFIGURED TO ACCOMMODATE AS MANY AS SIX HUNDRED PERSONS.

THE ACTIVITY CENTER IN SCHEME B HAS BEEN DESIGNED SO THAT IT IS ACCESSIBLE FROM VARIOUS PARTS OF THE BUILDING AS IT MAY BE SHARED BY ALL OF THOSE OCCUPYING THE FACILITY. THE RAISED PLATFORM PROVIDES A PERFORMANCE AREA AND STORAGE FEATURE FOR FOLDING CHAIRS AND TABLES. THE ACTIVITY CENTER IS THE KIND OF SPACE WHERE A LARGE VARIETY OF EVENTS CAN TAKE PLACE: GAMES, LECTURES, RELIGIOUS DRAMA, PRESENTATIONS, YOUTH GATHERINGS AND RELIGIOUS FILMS. THE CORRIDOR THAT WRAPS AROUND THE ACTIVITY CENTER WILL PROVIDE AN ADDITIONAL ACOUSTICAL BARRIER TO PROTECT THE CLASSROOMS AND OFFICES.

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